

VRLA Battery

HR1225W

25W/Cell/15Min

Minhua HR Series High-rate Sealed Maintenance-free Lead-acid Battery

- Using high purity electrolytic lead as the active material, excellent charge-discharge performance and very low self-discharge rate, very conducive to storage and use
- Unique design and formula, excellent high-rate discharge performance
- Fully sealed maintenance-free, no need to supplement the electrolyte during use
- The designed service life is more than 3 years under floating charging mode

Application Area:

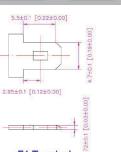
- Automatic alarm system
- Electrical automatic control system
- Uninterrupted power system
- Fire Control System
- Distributed small-scale power system

General uninterruntible power systemCentralized large-scale power system

Power supply system for power

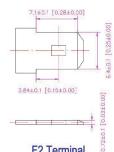
Material:

- Component.....material
- Positive plate...Lead dioxide
- Negative plate..Spongy lead
- Battery case.....
- ABS Engineering plastics • Sealant...... Epoxy resin
- Safety valve..... Fluorinated rubber
- Wire terminal..... Silver-plated copper
- Isolation plate..... Ultrafine glass fiber
- Electrolyte...... Analytical pure sulfuric



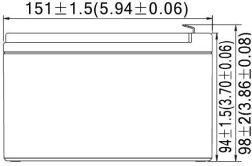
ISO14001

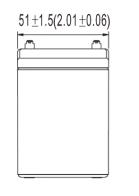
ISO9001

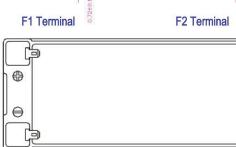


MH 2861

G2M20204







Technical Parameters:

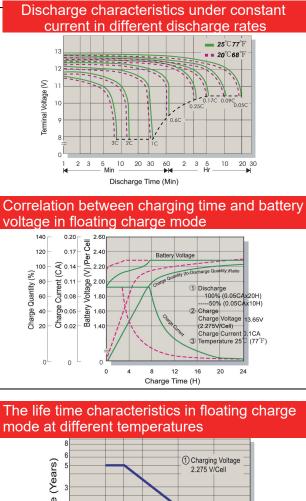
Battery model	HR1225W (25W/cell/15Min)							
Battery life designed	more than 3 years in the floating charging mode							
Capacity designed (25℃)	20HR(0.300A,10.5V)	10HR(0.580A,10.5V)	5HR(1.140A,10.5V)	1HR(3.894A,10.5V)				
	6.00 AH	5.80 AH	5.70 AH	3. 89AH				
D. //	Length	Width	Height	Total Height				
Battery size	151 mm	51 mm	94 mm	98 mm				
Battery weight	1.95 KG±3%							
Nominal internal resistance	100% charging is completed at 25 ° C environment: $\leq 28.00 \text{ m} \Omega$							
Self-discharge rate	2% self-discharge rate per month,at 25 ° C environment							
Capacity at different	40°C	25°C	0°C	−15°C				
temperatures (20HR)	102%	100%	85%	65%				
Charging voltage (25°C)	Circ	culation mode	floating charging mode					
		′(−30mV/℃), e Current :1,80A	13.5-13.8V (-20mV/℃)					

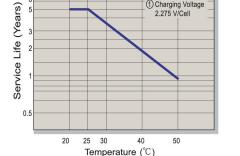
FUJIAN MINHUA POWER SOURCE CO., LTD.

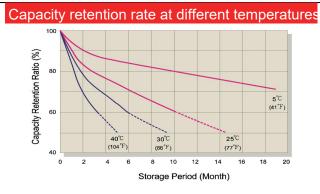


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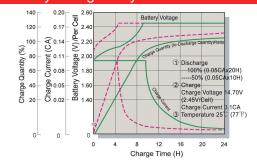
HR1225W



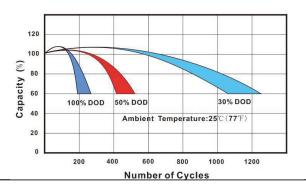




Correlation between charging time and battery voltage in cyclic mode



Cycle life characteristics at different discharge depths



Discharge characteristics in constant current (CC,Unit:A) at 25°C(77°F)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	19.51	13.55	10.99	6.67	3.822	2.051	1.693	1.293	1.119	0.894	0.570	0.294
1.75V/Cell	19.88	13.80	11.19	6.79	3.894	2.090	1.725	1.318	1.140	0.910	0.580	0.300
1.70V/Cell	20.48	14.21	11.53	7.00	4.011	2.152	1.776	1.357	1.174	0.938	0.598	0.309
1.67V/Cell	21.27	14.77	11.98	7.27	4.167	2.236	1.845	1.410	1.220	0.974	0.621	0.321
1.60V/Cell	22.47	15.59	12.65	7.68	4.400	2.361	1.949	1.489	1.288	1.029	0.656	0.339
Discharge characteristics in constant power (CP,Unit:W) at 25°C(77°F)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	38.05	26.41	21.43	13.00	7.45	4.00	3.30	2.52	2.18	1.74	1.11	0.57
1.75V/Cell	38.77	26.91	21.83	13.25	7.59	4.07	3.36	2.57	2.22	1.78	1.13	0.59
1.70V/Cell	39.93	27.72	22.48	13.65	7.82	4.20	3.46	2.65	2.29	1.83	1.17	0.60
1.67V/Cell	41.48	28.79	23.36	14.18	8.12	4.36	3.60	2.75	2.38	1.90	1.21	0.63
1.60V/Cell	44.39	30.81	25.00	15.17	8.69	4.67	3.85	2.94	2.55	2.03	1.30	0.67